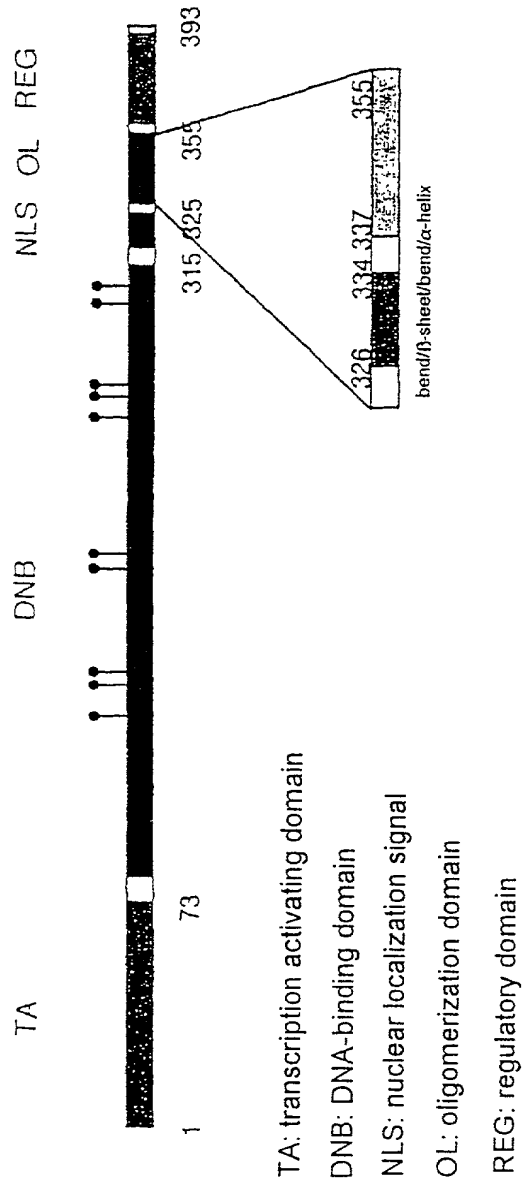


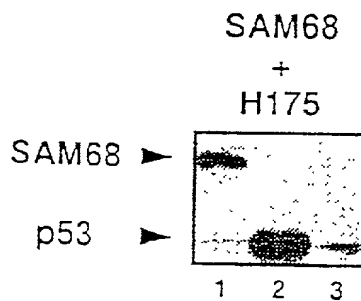
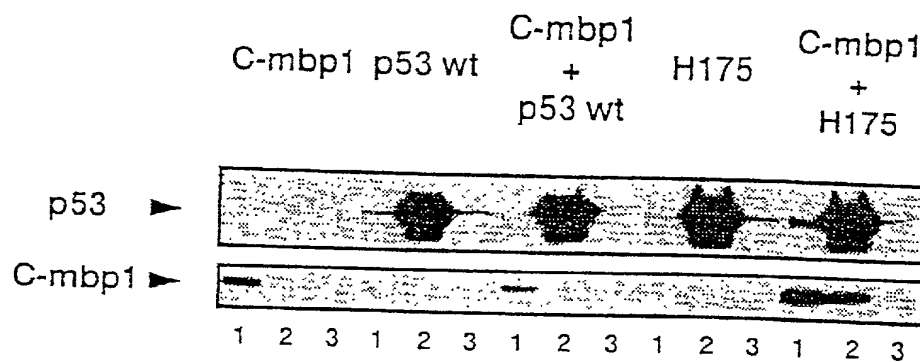
# STRUCTURE OF p53



TA: transcription activating domain  
 DNB: DNA-binding domain  
 NLS: nuclear localization signal  
 OL: oligomerization domain  
 REG: regulatory domain

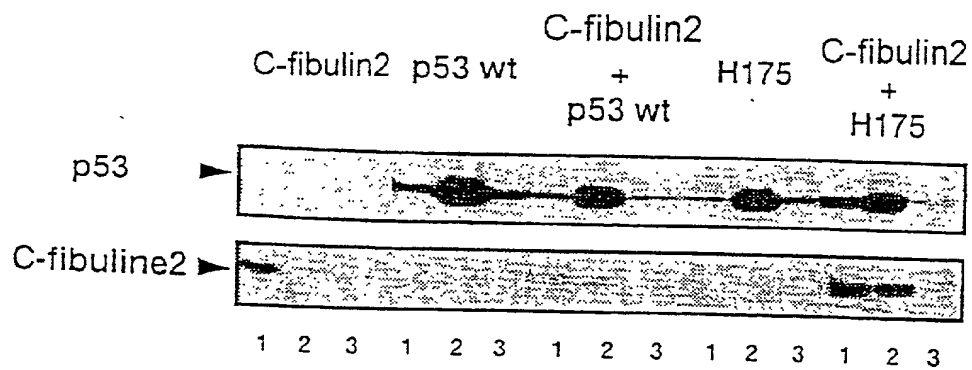
cysteine

Figure 1



- 1: anti-myc antibody (9E10)  
 2: anti-p53 antibody (DO1)  
 3: nonspecific antibody (PAb416)

Figure 2



- 1: anti-myc antibody (9E10)
- 2: anti-p53 antibody (DO1)
- 3: nonspecific antibody (PAb416)

Figure 3

murine	----	AVAETP	DFC	PPP	-	PSLR	LP	FAS	CL	PGS	LL	WAF	LL	LL	GA	AS	PQD	PE	EP	DS	Y	TEC																																			
human		SQPSR	QSR	GPR	CR	GNP	-	R	LP	CAS	CL	PGS	LL	WAL	LL	LL	GS	ASP	QD	SE	EP	DS	Y	TEC																																	
		:	.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																																	
murine		TDGYE	WD	AD	SQ	HCR	DV	NE	CL	T	I	PE	ACK	G	EM	KC	I	N	I	Y	G	G	Y	L	C	L	P	R	S	A	A	V	I	S	D	L	H	G	E	G	P	P	P														
human		TDGYE	WD	PD	DS	Q	HCR	OV	NE	CL	T	I	PE	ACK	G	EM	KC	I	N	I	Y	G	G	Y	L	C	L	P	R	S	A	A	V	I	N	D	L	H	G	E	G	P	P	P													
		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*																
murine		AAHAQ	Q	P	N	P	C	P	Q	G	Y	E	P	O	E	Q	E	S	C	V	D	V	D	E	C	T	Q	A	L	H	D	C	R	P	S	Q	D	C	H	N	L	P	G	S	Y	Q	C	T	C	P	D	G	Y	R	K	I	G
human		VPPAQ	H	P	N	P	C	P	P	G	Y	E	P	D	D	Q	D	S	C	V	D	V	D	E	C	A	Q	A	L	H	D	C	R	P	S	Q	D	C	H	N	L	P	G	S	Y	Q	C	T	C	P	D	G	Y	R	K	I	G
		.	.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
murine		PECV	D	I	D	E	C	R	Y	R	Y	C	H	R	C	V	N	L	P	G	S	F	R	C	Q	E	P	G	F	Q	L	G	P	N	N	R	S	C	V	D	V	N	E	C	D	M	G	A	P	C	E	Q	R	C	F	N	
human		PECV	D	I	D	E	C	R	Y	R	Y	C	H	R	C	V	N	L	P	G	S	F	R	C	Q	E	P	G	F	Q	L	G	P	N	N	R	S	C	V	D	V	N	E	C	D	M	G	A	P	C	E	Q	R	C	F	N	
		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				

Figure 4a

murine  
human

SYGTFLCRCNQGYELHRDGFSCSDIDECGYSSYLCQYRCVNEPGRFSCHPQGYQLLATR  
SYGTFLCRCHQGYELHRDGFSCSDIDECYSSYLCQYRCVNEPGRFSCHPQGYQLLATR  
\*\*\*\*\*:\*\*\*\*\*.\*\*\*\*\*+\*\*\*\*\*

murine  
human

LCQDIDECETCAHQCEAQTCVNFHGGYRCVDTNRCVEPYVQVSDNRCLCPASNPLCREQ  
LCQDIDECESCAIQCEAQTCVNFHGGYRCVDTNRCVEPYIQVSENRCCLCPASNPLCREQ  
\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*:\*\*\*\*\*

murine  
human

```

PSSIVHRYMSITSERSVPADVFQIQATSVYPGAYNAFQIRSGNTQCDFYIRQINNVSAML
PSSIVHRYMTITSERSVPADVFQIQATSVYPGAYNAFQIRAGNSQGFYIRQINNVSAML
*****:*****:*****:*****:*****:*****:*****:*****

```

murine  
human

VLARPVTGPREYVLDLEMTNLSMYRASSVLRLTVFVGAYTF  
VLARPVTGPREYVLDLEMTNLSMYRASSVLRLTVFVGAYTF  
\*\*\*\*\*

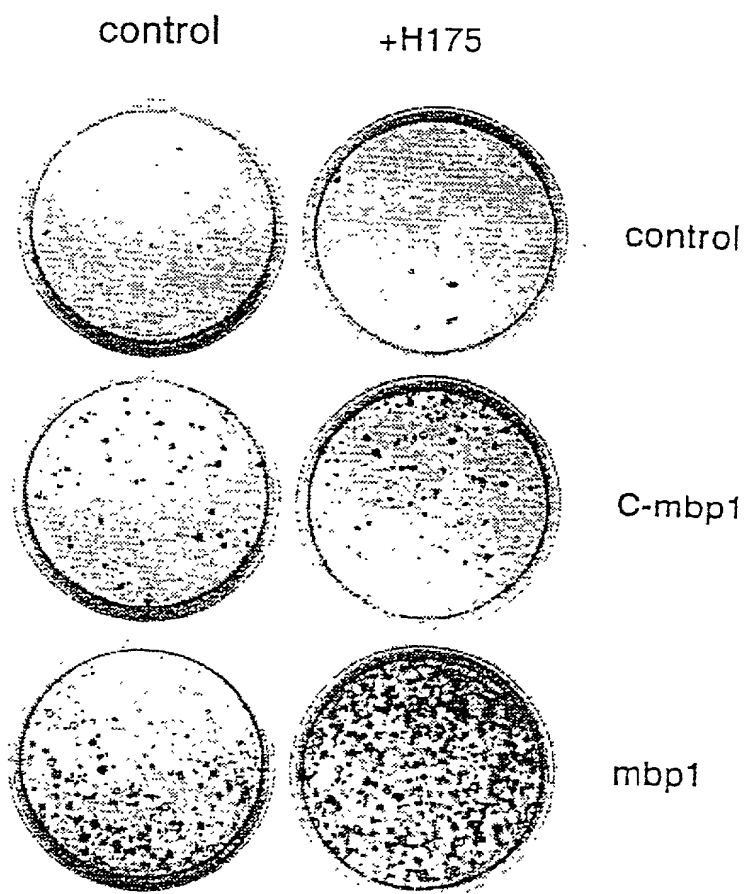
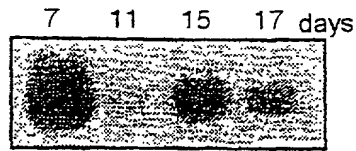


Figure 5



MBP1 (1.8 kb)



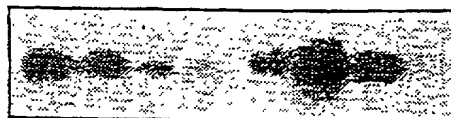
GAPDH (1.3 kb)

0.9 0.3 0.5 0.5

HEART  
BRAIN  
SPLEEN  
LUNG  
LIVER  
MUSCLE  
KIDNEY  
TESTICLES



MBP1 (1.8 kb)



GAPDH (1.3 kb)

0.2 0.1 0.4 1.9 0.2 0.1 0.3 0.8

Figure 6

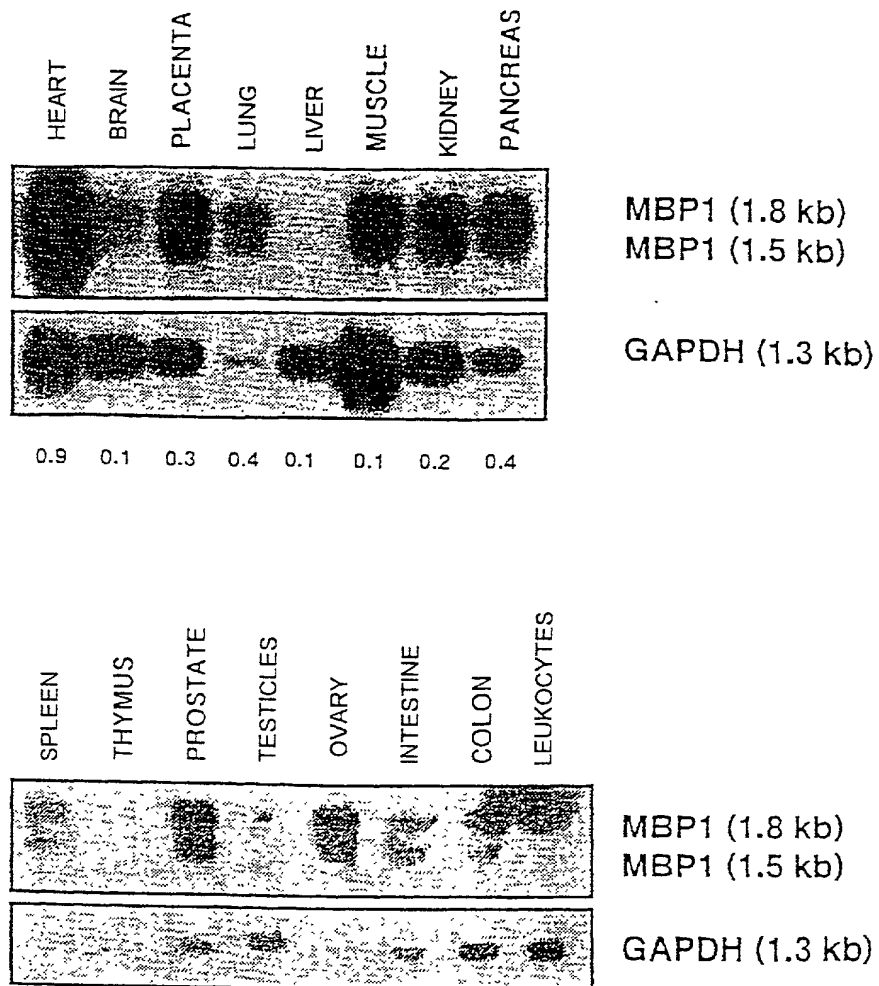


Figure 7



# PATIENT

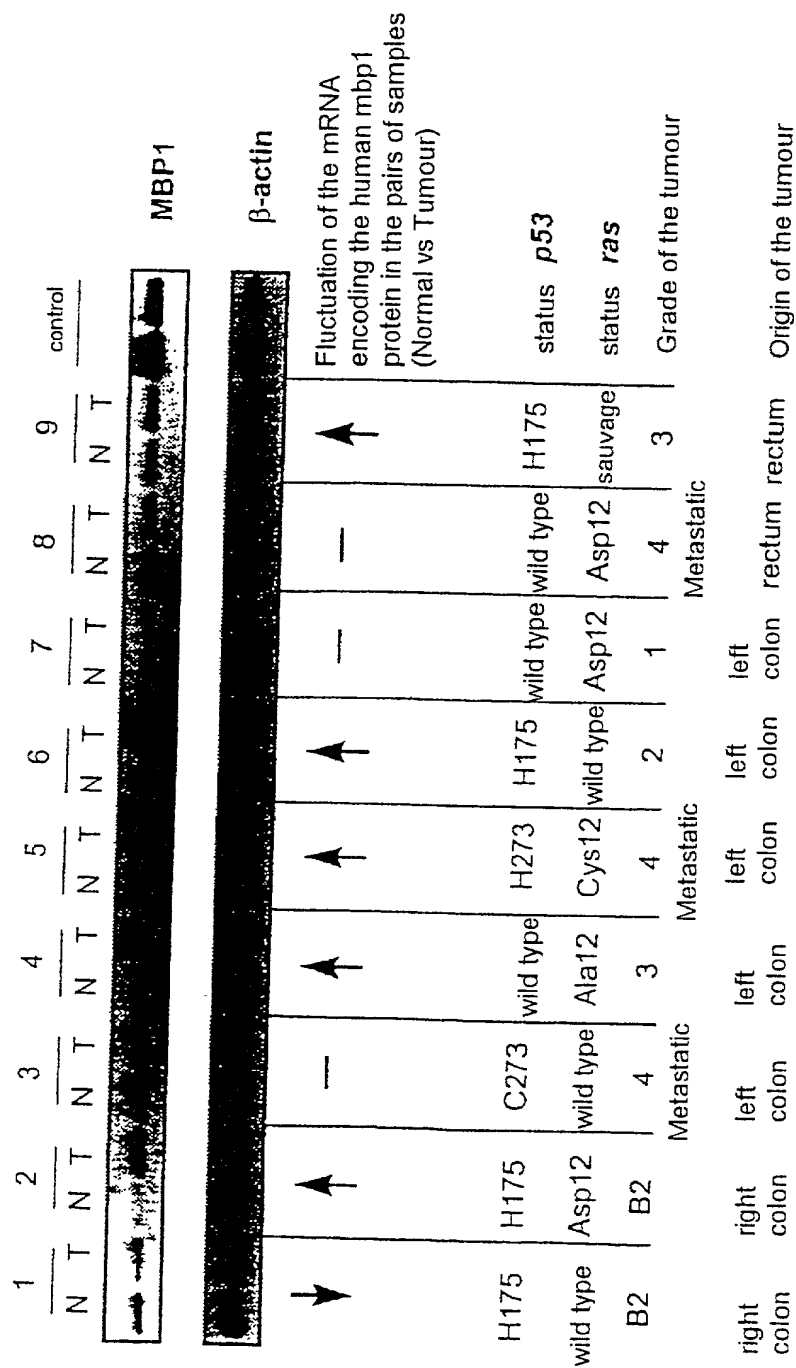


Figure 8